

Québec Researchers Ahead of the Curve in Disruptive Technologies

**Micro-factories for cells, DNA zip codes, rapid screening of infections:
Disruptive technologies have the potential to revolutionize health care.
And it's all happening right here in Québec!**

Montréal, December 9, 2016 – Daniel Coderre, President and CEO of Génome Québec, is proud to announce that five Québec research teams have been awarded funding under the 2015 Disruptive Innovation in Genomics Competition.

The goal of this competition is to support the development and integration of ground-breaking innovations to position Canada as a leader in cutting-edge genomics technologies. Research funded under this competition will generate new transformative technologies with the capacity to displace an existing technology, disrupt the existing market or open the door to new markets.

Quotes

“Sixteen years ago, Canada had the foresight and boldness to invest in genomics. Today, we are pleased to see these investments paying off. Our Government firmly believes that a disruptive technology like genomics will make a real difference in the everyday lives of Canadians and improve our economic competitiveness. I wish to commend the researchers for their commitment to excellence and innovation. They rank among Canada’s scientific elite and we are extremely proud of their performance.”

– *Marc Miller, Member of Parliament, Ville-Marie — Le Sud-Ouest — Île-des-Sœurs (Québec)*

“The expertise and leading-edge infrastructures now available here in Québec make it possible for genomics technology to unleash its tremendous potential for developing innovative solutions in the treatment and diagnosis of diseases. Québec’s outstanding performance in this competition is a clear indication that university research is a thriving sector with significant economic potential.”

– *Daniel Coderre, President and CEO, Génome Québec*

“I’m excited about the promise this new and crucial partnership holds. The success of Éric Lécuyer and his team in this competition shows how advanced genomics research is at IRCM. It also demonstrates the importance of initiatives taken by Genome Canada to promote genomics research for the benefit of all Canadians.”

– *Tarik Mörröy, President and Scientific Director, Montreal Clinical Research Institute (IRCM)*

“My partners and I are thrilled to carry forward this ground-breaking project. In addition, having access to IRCM’s molecular biology and functional genomics platform, along with our leading-edge techniques, represent indisputable assets for its completion.”

– *Éric Lécuyer, Researcher, Montreal Clinical Research Institute (IRCM)*

The five Québec projects:

[Laser-assisted single-cell genomics](#)

Project Leader: **Santiago Costantino**, Hôpital Maisonneuve-Rosemont

[Single exosome multi-omic analysis](#)

Project Leader: **David Juncker**, McGill University

The RNA zip code discovery pipeline: Emerging tools for targeting therapeutic molecules at subcellular resolution

Project Leader: **Éric Lécuyer**, Montreal Clinical Research Institute (IRCM)

Plasmonic PCR: Rapid diagnostics through plasmonics

Project Leader: **Mark Trifiro**, Jewish General Hospital

A cell micro-factory platform for *in vivo* biosynthesis and delivery of genetically encoded natural products and synthetic antibodies

Project Leader: **Michael Tyers**, Université de Montréal

About Génome Québec

Génome Québec is an economic development organization that contributes to strengthening the competitiveness of the genomics innovation system in order to maximize its socioeconomic impact in Québec. It does so by funding major genomic research initiatives and putting in place the tools necessary for scientific and strategic development in the field.

The funds invested by Génome Québec are provided by the ministère de l'Économie, de la Science et de l'Innovation du Québec (MESI), the Government of Canada, through Genome Canada, and private partners.

For more information, visit www.genomequebec.com.

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